

## BURNER FLAME STABILIZER SPECIFICATIONS:

### 1.0 Scope of Work

1.1 The Contractor shall provide 48 MZ Flame Stabilizers suitable for attachment to the Intermountain Generating Station, Unit 2, existing Babcock and Wilcox dual register low NOx burners.

1.2 The Contractor shall provide technical assistance and instructions for stabilizer installation during the Fall Unit 2 Outage which begins October 28, 1991.

1.3 Installation of the stabilizers will be provided by others.

1.4 Testing to verify specification compliance will be by others.

### 2.0 Performance Specifications

1.1 The stabilizers shall be designed with 24 having clockwise inner air rotation and 24 having counter-clockwise inner air rotation.

1.2 The dimensions of the stabilizer shall be those necessary to fit into the existing Babcock and Wilcox burner between the inner air sleeve and the coal nozzle. The dimensional tolerances shall be as large as possible to allow for the warping and deformation of the burners that has occurred during the five years that they have been in-service.

1.3 The stabilizers shall be designed to allow for replacement of the coal nozzle without detachment from the stabilizer.

1.4 The stabilizers shall be designed to handle the temperatures and conditions that are currently present at the existing burners. No structural damage, warpage or deformation of the stabilizers shall occur under normal operating conditions. ~~which would effect stabilizer operation~~ adversely

1.5 The stabilizers shall not plug with ash, coal build-up or slag during normal in-service or out-of-service operation. The stabilizers shall not interfere with the coal and primary air flow from the burner nozzles.

1.6 The stabilizers shall have factory installed provisions for the lighter shrouds, scanner and sight tube. The structural design of the stabilizer vanes shall include these openings.

Mocking Date 9/13  
→ 9/17